

## SCIENCE

Children will learn about:

### Autumn:

**Humans:** teeth and the digestive system  
**Electricity:** simple circuits, including those with buzzers and breaks

### Spring:

**Outdoor Science:** importance of bees; the impact of extinction; plant growth

**Sound:** how sounds are made; pitch; sound proofing and vibrations

### Summer:

**States of Matter:** liquids, solids and gases; evaporation; condensation  
**Living Things:** classifying animals; vertebrates; invertebrates and habitats; food chains

## HISTORY

Children will learn about:

### Autumn:

**Romans:** the Roman Empire and its impact on Britain, including leisure time, roads, Roman baths and soldiers.

### Summer:

**Invaders and Settlers:** a study into Anglo-Saxon and Viking settlements, including invasions, battles and a comparison of life to today

## GEOGRAPHY

Children will learn about:

### Autumn:

**India:** the importance of the river Ganges; exploring the beliefs, practices and impact of Hinduism (locally and globally)

### Spring:

**The World's Geography:** continents, countries, capital cities and their geographical features

**Extreme Earth:** natural disasters, including volcanic eruptions, tsunamis, tornados and extreme weather conditions

### Summer:

**The Environment:** deforestation; global warming

## RELIGIOUS EDUCATION

Children will learn about:

### Autumn:

**Hinduism:** values and beliefs; significant symbols and tradition; gods and the Mandir  
**Parables:** The Good Samaritan, The Lost Sheep, The Prodigal Son

### Spring:

**Christianity:** Easter; known charities and their work; comparison to other religions

### Summer:

**Significant people:** influential people across religions

**Tobias and The Angel:** an RE study through a painting

## PSHE/RSE

Children will learn about:

### Autumn:

**Being Me In My World:** planning for the year; behaviour, including rewards and sanctions; democracy

**Celebrating Differences:** challenging assumptions; accepting self and others; understanding bullying

### Spring:

**Dreams And Goals:** hopes and dreams; overcoming disappointment; achieving goals; resilience; positive attitudes

**Healthy Me:** group dynamics; peer pressure; assertiveness; celebrating inner strength

### Summer:

**Relationships:** jealousy; love and loss; getting on and falling out; showing appreciation to people and animals

**Changing Me:** being unique; having a baby; girls and puberty; accepting change; preparing for transition

# Chase Bridge Foundation Subject Overview

Our CURRICULUM

# Year 4

OUR TOPICS

## AUTUMN 2

What Have The Romans Done For Us?



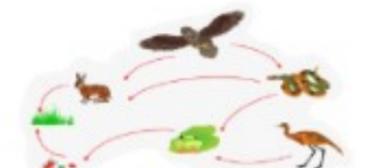
## SPRING 2

Extreme Earth



## SUMMER 2

Life And The Environment



Living A Hindu Life



AUTUMN 1

The World's Geography



SPRING 1

Invaders And Settlers



SUMMER 1

## LANGUAGES

Children will learn French reading, writing, speaking and listening skills within these areas of study:

### Autumn:

**Phonetics, verbs and grammar**  
**Simple phrases**  
**Romans**

### Spring:

**Fruits**  
**Musical instruments**

### Summer:

**I can . . .**  
**Musical Instruments**

## DESIGN AND TECHNOLOGY/ ART AND DESIGN

Children will learn and strengthen the skills needed to create:

### Autumn:

**D&T:** design, make and evaluate a Viking Longboat

**Art:** 3D poppies; colour washes and sketching the Taj Mahal

### Spring:

**D&T:** volcano structures

**Art:** charcoal Iron Man drawings and collages

### Summer:

**D&T:** bird feeders using a variety of tools and techniques

**Art:** Norse patterns and Nordic designs

## MUSIC

Children will strengthen the skills needed for:

**Singing:** singing and performing topic songs

**Music Appreciation:** appreciating music of great composers and musicians

**Performance:** solo/ensemble contexts with accuracy, control, fluency and expression; sing songs off by heart with full confidence and precision.

**Instruments:** playing tuned percussion instruments and creating quality sound in a group

**Composition:** using rhyming pattern and structure, composing melodies using the pentatonic scale

**Performing Arts:** using appropriate intonation, volume, and movement suitable for different audiences

## COMPUTING

Children will learn about:

### Autumn:

**Online Safety:** personal information; staying safe online

**Word processing:** font; inserting images; colour; spatial awareness

### Spring:

**Animation:** basic and simple techniques of animation; exploring a range of animation software

**Spreadsheets:** organising information in a simple way; inserting information and creating a simple formula

### Summer:

**Scratch:** questions and answers; changing the sprite; special effects and creating a quiz

## PHYSICAL EDUCATION

Children will strengthen the skills needed for:

### Autumn:

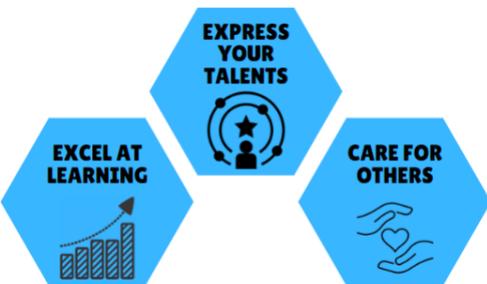
**Competitive and invasion games:** Invasion Games: explore a range of competitive and invasion games (football, rugby, basketball) to develop their attacking skills (use of space, change of pace, passing and scoring ability) while strengthening their tactical and decision making skills

### Spring:

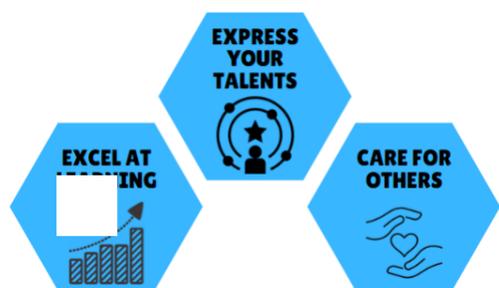
**Gymnastics, dance and net and wall skills:** perform gymnastic balances (individual and partner) with fluency and control, short self-choreographed dance phrases with complexity and develop their technique when using different shots.

### Summer:

**Striking, fielding and athletics:** develop an understanding of speed, pace and power in athletics. They will throw with increased accuracy during target games. They will develop batting and



# Year 4



## En4/1 Spoken Language

(The objectives for Spoken Language are common across Key Stages 1 and 2)

- En4/1a listen and respond appropriately to adults and their peers
- En4/1b ask relevant questions to extend their understanding and knowledge
- En4/1c use relevant strategies to build their vocabulary
- En4/1d articulate and justify answers, arguments and opinions
- En4/1e give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings.
- En4/1f maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments
- En4/1g use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas
- En4/1h speak audibly and fluently with an increasing command of Standard English
- En4/1i participate in discussions, presentations, performances, roleplay/improvisations and debates
- En4/1j gain, maintain and monitor the interest of the listener(s)
- En4/1k consider and evaluate different viewpoints, attending to and building on the contributions of others
- En4/1l select and use appropriate registers for effective communication

## Reading (The objectives for Reading are common across Years 3 and 4)

- En4/2.1 Word Reading
  - En4/2.1a apply their growing knowledge of root words, prefixes and suffixes (etymology and morphology) as listed in Appendix 1, both to read aloud and to understand the meaning of new words they meet
  - En4/2.1b read further exception words, noting the unusual correspondences between spelling and sound, and where these occur in the word.

## En4/2.2 Comprehension

- En4/2.2a develop positive attitudes to reading, and an understanding of what they read, by:
  - listening to and discussing a wide range of fiction, poetry, plays, non-fiction and reference books or textbooks
  - reading books that are structured in different ways and reading for a range of purposes
  - using dictionaries to check the meaning of words that they have read
  - increasing their familiarity with a wide range of books, including fairy stories, myths and legends, and retelling some of these orally
  - identifying themes and conventions in a wide range of books
  - preparing poems and play scripts to read aloud and to perform, showing understanding through intonation, tone, volume and action
  - discussing words and phrases that capture the reader's interest and imagination
  - recognising some different forms of poetry
- En4/2.2b understand what they read, in books they can read independently, by
  - checking that the text makes sense to them, discussing their understanding and explaining the meaning of words in context
  - asking questions to improve their understanding of a text
  - drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
  - predicting what might happen from details stated and implied
  - identifying main ideas drawn from more than 1 paragraph and summarising these
  - identifying how language, structure, and presentation contribute to meaning
- En4/2.2c retrieve and record information from non-fiction
- En4/2.2d participate in discussion about both books that are read to them and those they can read for themselves, taking turns and listening to what others say.

## Writing

(The objectives for Reading are common across Years 3 and 4)

- En4/3.1 Spelling
  - En4/3.1a use further prefixes and suffixes and understand how to add them (English Appendix 1)
  - En4/3.1b spell further homophones
  - En4/3.1c spell words that are often misspelt (English Appendix 1)
  - En4/3.1d place the possessive apostrophe accurately in words with regular plurals and in words with irregular plurals
  - En4/3.1e use the first 2 or 3 letters of a word to check its spelling in a dictionary
  - En4/3.1f write from memory simple sentences, dictated by the teacher, that include words and punctuation taught so far.

## En4/3.2 Handwriting and Presentation

- En4/3.2a use the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined
- En4/3.2b increase the legibility, consistency and quality of their handwriting

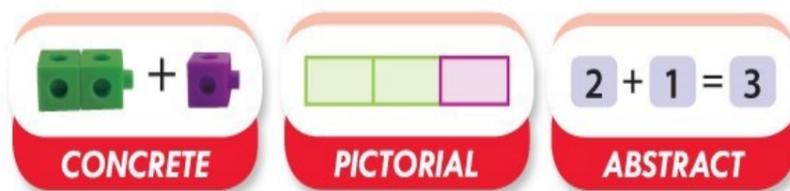
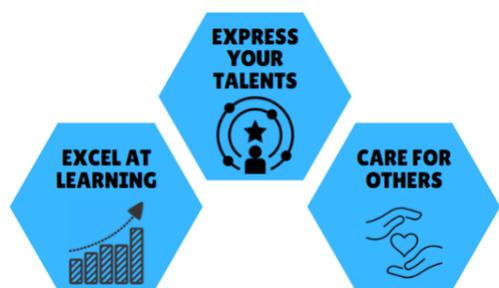
## En4/3.3 Composition

- En4/3.3a Plan their writing by:
  - discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar
  - discussing and recording ideas
- En4/3.3b Draft and write by:
  - composing and rehearsing sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures (See English Appendix 2)
  - organising paragraphs around a theme
  - in narratives, creating settings, characters and plot
  - in non-narrative material, using simple organisational devices
- En4/3.3c Evaluate and edit by:
  - assessing the effectiveness of their own and others' writing and suggesting improvements
  - proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences
- En4/3.3d proofread for spelling and punctuation errors
- En4/3.3e read their own writing aloud, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.

## En4/3.4 Vocabulary, grammar & punctuation

- En4/3.4a develop their understanding of the concepts set out in Appendix 2 by:
  - extending the range of sentences with more than one clause by using a wider range of conjunctions, including when, if, because, although
  - using the present perfect form of verbs in contrast to the past tense
  - choosing nouns or pronouns appropriately for clarity and cohesion and to avoid repetition
  - using conjunctions, adverbs and prepositions to express time and cause
  - using fronted adverbials
  - learning the grammar for years 3 and 4 in Appendix 2
- En4/3.4b indicate grammatical and other features by:
  - using commas after fronted adverbials
  - indicating possession by using the possessive apostrophe with singular and plural nouns
  - using and punctuating direct speech
- En4/3.4c use and understand the grammatical terminology in Appendix 2 accurately and appropriately in discussing their writing and reading.

## Year 4



### Number & place value in Year 4

#### Children will learn to:

- count in multiples of 6, 7, 9, 25 and 1000
- find 1000 more or less than a given number
- count backwards through zero to include negative numbers
- recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
- order and compare numbers beyond 1000
- identify, represent and estimate numbers using different representations
- round any number to the nearest 10, 100 or 1000
- solve number and practical problems that involve all of the above and with increasingly large positive numbers
- read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.

### Addition & subtraction in Year 4

#### Children will learn to:

- add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- estimate and use inverse operations to check answers to a calculation
- solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

### Multiplication & division in Year 4

#### Children will learn to:

- recall multiplication and division facts for multiplication tables up to  $12 \times 12$
- use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
- recognise and use factor pairs and commutativity in mental calculations
- multiply two-digit and three-digit numbers by a one-digit number using formal written layout
- solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

### Statistics in Year 4

#### Children will learn to:

- interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
- solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

### Fractions (including decimals) in Year 4

#### Children will learn to:

- recognise and show, using diagrams, families of common equivalent fractions
- count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
- solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
- add and subtract fractions with the same denominator
- recognise and write decimal equivalents of any number of tenths or hundredths
- recognise and write decimal equivalents to  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$
- find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- round decimals with one decimal place to the nearest whole number
- compare numbers with the same number of decimal places up to two decimal places
- solve simple measure and money problems involving fractions and decimals to two decimal places.

### Geometry (position and direction) in Year 4

#### Children will learn to:

- describe positions on a 2D grid as coordinates in the first quadrant
- describe movements between positions as translations of a given unit to the left/right and up/down
- plot specified points and draw sides to complete a given polygon.

### Geometry (properties of shapes) in Year 4

#### Children will learn to:

- compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- identify acute and obtuse angles and compare and order angles up to two right angles by size
- identify lines of symmetry in 2-D shapes presented in different orientations
- complete a simple symmetric figure with respect to a specific line of symmetry.

### Measurement in Year 4

#### Children will learn to:

- Convert between different units of measure (for example, kilometre to metre; hour to minute)
- measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
- find the area of rectilinear shapes by counting squares
- estimate, compare and calculate different measures, including money in pounds and pence